Table R-15: 1990-2001 Key Source Tier 1 Analysis - Trend Assessment

		Base Year				
	Direct	Estimate	Current Year		Percent	
	Greenhouse	(Tg CO ₂	Estimate	Trend	Contribution to	Cumulative
IPCC Source Categories	Gas	Eq.)	(Tg CO ₂ Eq.)	Assessment	Trend	Total
Mobile Combustion: Road & Other	CO_2	1,244.98	1,538.66	0.02	18	18
CO ₂ Emissions from Stationary Combustion - Oil	CO_2	669.99	671.62	0.01	12	30
CO ₂ Emissions from Stationary Combustion	-CO ₂	1,697.29	1,993.78	0.01	11	40
Coal						
CO ₂ Emissions from Stationary Combustion - Gas	CO_2	976.63	1,168.23	0.01	9	49
Emissions from Substitutes for Ozone Depleting	Several	0.94	63.65	0.01	9	58
Substances						
Fugitive Emissions from Coal Mining and	CH ₄	87.12	60.75	< 0.01	5	63
Handling						
CO ₂ Emissions from Iron and Steel Production	CO_2	85.41	59.07	< 0.01	5	68
CH ₄ Emissions from Solid Waste Disposal Sites	CH ₄	212.07	202.93	< 0.01	5	73
SF ₆ Emissions from Electrical Equipment	SF ₆	32.10	15.32	< 0.01	3	76
Fugitive Emissions from Natural Gas Operations	CH ₄	122.01	117.35	< 0.01	3	79
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	19.82	< 0.01	3	82
CH ₄ Emissions from Enteric Fermentation in	CH ₄	117.85	114.82	< 0.01	3	84
Domestic Livestock						
PFC Emissions from Aluminum Production	PFCs	18.11	4.13	< 0.01	2	87
Mobile Combustion: Aviation	CO_2	176.88	183.93	< 0.01	2	89
N ₂ O Emissions from Adipic Acid Production	N_2O	15.20	4.92	< 0.01	2	90
CO ₂ Emissions from Waste Incineration	CO_2	14.07	26.91	< 0.01	2	92
Fugitive Emissions from Oil Operations	CH ₄	27.49	21.23	< 0.01	1	93
Indirect N ₂ O Emissions from Nitrogen Used in	N_2O	73.83	77.73	< 0.01	1	94
Agriculture						
CO ₂ Emissions from Ammonia Production and	CO_2	19.31	16.59	< 0.01	1	95
Urea Application						
CO ₂ Emissions from Cement Production	CO_2	33.28	41.36	< 0.01	1	95
SF ₆ Emissions from Magnesium Production	SF ₆	5.37	2.53	< 0.01	0	96
CH ₄ Emissions from Manure Management	CH_4	31.28	38.85	< 0.01	0	96
Mobile Combustion: Marine	CO_2	48.60	58.28	< 0.01	0	97
CO ₂ Emissions from Aluminum Production	CO_2	6.31	4.11	< 0.01	0	97
N ₂ O Emissions from Nitric Acid Production	N_2O	17.85	17.60	< 0.01	0	98
PFC, HFC, and SF ₆ Emissions from	SF_6	2.86	5.51	< 0.01	0	98
Semiconductor Manufacture						
Direct N ₂ O Emissions from Agricultural Soils	N_2O	193.71	216.59	< 0.01	0	98
Mobile Combustion: Road & Other	N_2O	48.56	52.65	< 0.01	0	99
Non-CO ₂ Emissions from Stationary Combustion		8.14	7.41	< 0.01	0	99
Mobile Combustion: Road & Other	CH_4	4.73	4.08	< 0.01	0	99
CH ₄ Emissions from Wastewater Handling	CH ₄	24.08	28.35	< 0.01	0	99

CO ₂ Emissions from Natural Gas Flaring	CO_2	5.51	5.18	< 0.01	0	99
N ₂ O Emissions from Wastewater Handling	N_2O	12.71	15.30	< 0.01	0	99
CO ₂ Emissions from Ferroalloys	CO_2	1.98	1.33	< 0.01	0	99
CO ₂ Emissions from Limestone and Dolomite Us	e CO ₂	5.47	5.28	< 0.01	0	100
CO ₂ Emissions from Soda Ash Manufacture and	CO_2	4.14	4.15	< 0.01	0	100
Consumption						
CH ₄ Emissions from Rice Production	CH_4	7.12	7.64	< 0.01	0	100
CO ₂ Emissions from Titanium Dioxide Productio	n CO ₂	1.31	1.86	< 0.01	0	100
N ₂ O Emissions from Manure Management	N_2O	16.18	18.00	< 0.01	0	100
CO ₂ Emissions from CO ₂ Consumption	CO_2	0.90	1.26	< 0.01	0	100
CH ₄ Emissions from Petrochemical Production	CH_4	1.17	1.49	< 0.01	0	100
CO ₂ Emissions from Lime Production	CO_2	11.24	12.86	< 0.01	0	100
Mobile Combustion: Aviation	N_2O	1.71	1.79	< 0.01	0	100
CO ₂ Emissions from Stationary Combustion -	CO_2	0.40	0.35	< 0.01	0	100
Geothermal Energy						
Mobile Combustion: Marine	N_2O	0.36	0.31	< 0.01	0	100
N ₂ O Emissions from Waste Incineration	N_2O	0.29	0.24	< 0.01	0	100
N ₂ O Emissions from N ₂ O Product Usage	N_2O	4.30	4.79	< 0.01	0	100
N ₂ O Emissions from Agricultural Residue	N_2O	0.37	0.46	< 0.01	0	100
Burning						
Non-CO ₂ Emissions from Stationary Combustion	N_2O	12.52	14.18	< 0.01	0	100
Mobile Combustion: Aviation	CH_4	0.16	0.15	< 0.01	0	100
CH ₄ Emissions from Silicon Carbide Production	CH_4	0.03	0.01	< 0.01	0	100
Mobile Combustion: Marine	CH_4	0.07	0.06	< 0.01	0	100
CH ₄ Emissions from Agricultural Residue Burnin	g CH ₄	0.68	0.76	< 0.01	0	100
TOTAL		6,139.64	6,936.21	0.09	100.00	

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.